

IN THE CLAIMS

Please cancel claims 1 and 8 without prejudice or disclaimer and amend claims 2-5, 9, 10, 15 and 16 as set forth below.

1. (Canceled)

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2. (Currently Amended) A wireless positioning method ~~according to claim 1, further for~~ estimating a position of a terminal by using reception timings of signals transmitted from at least first and second base stations in a cellular communication system, comprising:

a first step of measuring a reception timing of a received signal from the first base station having a power higher than that of a received signal from a second base station;

a second step of canceling the received signal from the first base station; and

a third step of measuring a reception timing of the received signal from the second base station after the second step, wherein the second step comprises:

a fourth ~~third~~-step of storing the received ~~receiving~~-signals from the first and second base stations into a storing circuit in the terminal;

a fifth ~~fourth~~-step of forming a replica of the received ~~receiving~~-signal of the first base station from the stored signals; and

a sixth ~~fifth~~-step of subtracting the replica from the stored signals and overwriting the signals stored in the storing circuit with a result of the subtraction step.

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3. (Currently Amended) A wireless positioning method according to claim 2, further comprising:

a seventh ~~sixth~~-step of forming the replica by processing a component of the received ~~receiving~~-signal from the first base station in a procedure of despreading, demodulation and resreading by using the code division multiple access (CDMA) system.

4. (Currently Amended) A wireless positioning method according to claim 3, wherein the seventh ~~sixth~~-step includes an eighth ~~has a seventh~~-step of amplifying a received ~~receiving~~-signal after the despreading, demodulation and resreading.

5. (Currently Amended) A wireless positioning method according to claim 4, wherein the eighth ~~seventh~~ step includes a ninth ~~an eighth~~ step of correcting at least one of amplitude fluctuation and phase rotation by a signal propagation path from the first base station.

6. - 8. (Canceled)

9. (Currently Amended) A wireless positioning apparatus according to claim 8, comprising:

a signal processor for canceling a received signal from a first base station whose reception power is higher than that of a received signal from a second base station in a cellular communication system;

a CPU for processing an output signal of the signal processor;

further comprising a storing circuit for storing the received receiving signals from the first and second base stations, and

a timing measurement circuit for measuring reception timings of the signals received from the first and second base stations based on signals stored in the storing circuit,

wherein the signal processor has:

a replica signal generating circuit for generating a replica of the received ~~receiving~~ signal of the first base station from the signals stored in the storing circuit; and

a subtraction circuit for subtracting the replica from the stored signals, and

wherein the stored signals are overwritten with a result of the subtraction and the timing measurement circuit measures the reception timing of the signal received from the second base station based on the overwritten signals in storing circuit.

10. (Currently Amended) A wireless positioning apparatus according to claim 9,

wherein the replica signal generating circuit has:

a despreading circuit for ~~of~~-despreading a component of a received ~~receiving~~ signal from the first base station by using a ~~the~~ code division multiple access system (CDMA);

a demodulating circuit for demodulating an output signal of the despreading circuit; and

a resreading circuit for resreading an output signal of the demodulating circuit.

11. (Original) A wireless positioning apparatus according to claim 10, further comprising an amplifying circuit for amplifying an output signal of the resreading circuit.

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12. (Original) A wireless positioning apparatus according to claim 11, further comprising a correcting circuit for correcting at least one of amplitude fluctuation and phase rotation by a signal propagation path from the first base station.

13. - 14. (Canceled)

15. (Currently Amended) A base station transmission timing measuring apparatus comprising:

a storing circuit for storing received signals from a first and a second base station;

a timing measuring circuit for ~~means~~ measuring signal for transmission timings of the signals of first and second base stations from timings of signals received from the first and second base stations; and

an interference canceling circuit ~~means~~ for canceling the received receiving signal from the first base

station whose reception power is higher ~~of which strength is stronger~~ than that of the received ~~receiving~~ signal from the second base station,

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A1 wherein the signals stored in the storing circuit are replaced by signals which are a result of canceling and the timing measuring circuit measures the signal transmission timing of the second base station based on the replaced stored signals.

16. (Currently Amended) A base station transmission timing measuring apparatus according to claim 15, further comprising:

an automatic gain control circuit to which an output signal of the interference canceling circuit ~~means~~ is supplied.

17. (Canceled)